

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	35	422/244.ccls. AND @ad<="20030828"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/17 10:27
L2	69	23/294R.ccls. AND @ad<="20030828"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/17 10:28
L3	3	(1 OR 2) AND (sublimation (vessel OR container OR device OR system OR channel OR tube OR chamber)) AND (evaporat\$4 OR volat\$5 OR heat\$3) SAME (condens\$5 OR cool \$3) SAME (incubat\$3 OR isothermal OR (maintain\$5 WITH temperature) OR insula\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/17 10:29
L4	59	(1 OR 2) AND (evaporat\$4 OR volat\$5 OR heat\$3) AND (condens\$5 OR cool\$3) AND (incubat\$3 OR isothermal OR (maintain\$5 WITH temperature) OR insula\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/17 10:30
L5	144	(sublimation (vessel OR container OR device OR system OR channel OR tube OR chamber)) AND (evaporat \$4 OR volat\$5 OR heat\$3) SAME (condens\$5 OR cool \$3) SAME (incubat\$3 OR isothermal OR (maintain\$5 WITH temperature) OR insula\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/17 10:31
L6	55	5 AND @ad<="20030828"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/17 10:31
L7	12	(sublimation (vessel OR container OR device OR system OR channel OR tube OR chamber)) AND (evaporat \$4 OR volat\$5 OR heat\$3) SAME (condens\$5 OR cool \$3) SAME (incubat\$3 OR isothermal OR (maintain\$5 WITH temperature) OR insula\$5)	FPFS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/17 10:32

L8	7	7 AND @ad<="20030828"	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/17 10:32
S1	519	sublimation (apparatus OR means OR system)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:27
S2	4337	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:33
S3	1	S1 AND S2	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:34
S4	483	S2 AND (device OR apparatus OR means OR system) AND (sublimation OR purification OR condensation OR evaporation OR vapor collection)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:36
S5	11	S2 AND (device OR apparatus OR means OR system) AND (sublimation OR purification OR condensation OR evaporation OR vapor collection) AND NPB	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:37
S6	201	S2 AND (device OR apparatus OR means OR system) AND (sublimation OR purification OR condensation OR evaporation OR vapor collection) AND vacuum	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:38
S7	44	S2 AND (device OR apparatus OR means OR system) AND vacuum (sublimation OR purification OR condensation OR evaporation OR vapor collection)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:38
S8	1839	422/189 ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:39
S9	3	422/189 ccls. AND S2	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:39
S10	176	422/244. ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:42

S11	1	422/244.ccls AND S2	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/07 19:43
S12	13	"4567110"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/13 08:09
S13	7	"5589000"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/13 08:10
S14	369	"6237529"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/13 08:10
S15	8	"4374811"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/13 08:10
S16	5	"4363899"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/13 08:11
S17	5	"4353222"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/13 08:11
S18	0	sublimation (apparatus OR means OR system) scratch \$5 device	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 08:30
S19	0	sublimation (apparatus OR means OR system) (scratch \$5 OR scrap\$5) device	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 08:31
S20	2	sublimation (apparatus OR means OR system OR device) AND (scratch\$5 OR scrap\$5) device	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 08:31
S21	2	"5444247"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 08:34
S22	28	"5377429"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 09:40
S23	5	"2743169"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 10:57
S24	2	product scrat\$5 device	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 11:34
S25	181	product (scrat\$5 OR scrap\$5 OR recover\$5 OR remov\$5) device	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 11:35
S26	1	product (scrat\$5 OR scrap\$5 OR recover\$5 OR remov\$5) device AND sawtooth	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 11:36

S27	5432	product (scrat\$5 OR scrap\$5 OR recover\$5 OR remov\$5) AND (sawtooth OR teeth OR tooth OR sawteeth OR groove\$)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 11:37
S28	63	product (scrat\$5 OR scrap\$5 OR recover\$5 OR remov\$5) (device OR apparatus OR means) AND (sawtooth OR teeth OR tooth OR sawteeth OR groove\$)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 11:38
S29	17725	plunger AND (teeth OR sawteeth OR tooth OR sawtooth)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 11:48
S30	2236	plunger NEAR10 (teeth OR sawteeth OR tooth OR sawtooth)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 11:49
S31	562	material rack	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 11:59
S32	1	material rack NEAR10 rail\$3 NEAR10 ring\$	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 12:00
S33	16	material rack NEAR10 rail\$3	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 12:00
S34	5	material rack AND baffle	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 12:02
S35	2	material rack AND sublimation	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/11/21 12:03
S36	2	"2743169"	US-PGPUB; USPAT	ADJ	ON	2007/11/21 13:41
S37	27	"5377429"	US-PGPUB; USPAT	ADJ	ON	2007/11/21 13:42
S38	1	"5444247"	US-PGPUB; USPAT	ADJ	ON	2007/11/21 13:42
S39	15	"3488157"	US-PGPUB; USPAT	ADJ	ON	2007/11/27 10:26
S40	5	(US-20020100710-\$).did. or (US-2743169-\$ or US-5377429-\$ or US-5444247-\$ or US-3488157-\$).did.	US-PGPUB; USPAT	ADJ	OFF	2008/06/09 16:41
S41	0	S40 AND heat\$3 AND condensa\$5 AND incubat\$4	US-PGPUB; USPAT	ADJ	OFF	2008/06/09 16:42
S42	1	S40 AND (heat\$3 OR evaporat\$3) AND condensa\$5 AND (incubat\$4 OR maintain\$3)	US-PGPUB; USPAT	ADJ	OFF	2008/06/09 16:43

S43	4786	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/06/09 16:45
S44	1875	422/189.ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/06/09 16:45
S45	4	422/189.ccls. AND S43	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/06/09 16:45
S46	177	422/244.ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/06/09 16:45
S47	138	(S44 OR S45 OR S46) AND (heat\$3 OR evaporat\$3) AND condensa\$5 AND (incubat\$4 OR maintain\$3) AND @ad<="20030828"	US-PGPUB; USPAT	ADJ	OFF	2008/06/09 16:45
S48	7	S47 AND sublimation	US-PGPUB; USPAT	ADJ	OFF	2008/06/09 16:45
S49	1	S40 AND (heat\$3 OR evaporat\$3) AND condensa \$5 AND (incubat\$4 OR (maintain\$3 WITH temperature\$))	US-PGPUB; USPAT	ADJ	OFF	2008/06/09 16:46
S50	100	(S44 OR S45 OR S46) AND (heat\$3 OR evaporat\$3) AND condensa\$5 AND (incubat\$4 OR (maintain\$3 WITH temperature\$)) AND @ad<="20030828"	US-PGPUB; USPAT	ADJ	OFF	2008/06/09 16:47
S51	5	S50 AND sublimation	US-PGPUB; USPAT	ADJ	OFF	2008/06/09 16:48
S52	1875	422/189.ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/06/11 09:23
S53	177	422/244.ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/06/11 09:23
S54	613	(S52 OR S53) AND @ad<="20030828"	US-PGPUB; USPAT	ADJ	OFF	2008/06/11 09:23
S55	16	S54 AND sublimation	US-PGPUB; USPAT	ADJ	OFF	2008/06/11 09:23

S56	282	sublimation AND (channel OR tube OR glassware OR chamber) AND (rack OR boat OR bin) AND (evaporat\$4 OR volat\$5 OR heat\$3) AND (condens\$5 OR cool\$3) AND (incubat\$3 OR isothermal OR (maintain\$5 WITH temperature) OR insula\$5) AND (scratch\$3 OR scrap\$3 OR plung\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 02:59
S57	101	S56 AND @ad<="20030828"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 02:59
S58	35	422/244.ccls. AND @ad<="20030828"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:25
S59	282	sublimation AND (channel OR tube OR glassware OR chamber) AND (rack OR boat OR bin) AND (evaporat\$4 OR volat\$5 OR heat\$3) AND (condens\$5 OR cool\$3) AND (incubat\$3 OR isothermal OR (maintain\$5 WITH temperature) OR insula\$5) AND (scratch\$3 OR scrap\$3 OR plung\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:25
S60	101	S59 AND @ad<="20030828"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:25
S61	0	S60 AND S58	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:25
S62	8	((US-20020100710-\$).did. or (US-2743169-\$ or US-5377429-\$ or US-5444247-\$ or US-3488157-\$ or US-5201985-\$ or US-3910767-\$ or US-3856477-\$).did.	US-PGPUB; USPAT	ADJ	ON	2009/01/21 03:26
S63	4	S62 AND S58	US-PGPUB; USPAT	ADJ	ON	2009/01/21 03:26
S64	0	S62 AND S60	US-PGPUB; USPAT	ADJ	ON	2009/01/21 03:28
S65	37	((sublimation (apparatus OR device)) WITH vacuum) AND @ad<="20030828"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:35
S66	1	"4407488".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:36
S67	347	sublimation apparatus	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:48
S68	176	S67 AND @ad<="20030828"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:49
S69	140	S68 AND vacuum	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:49

S70	84	S69 AND (evaporat\$4 OR volat\$5 OR heat\$3) AND (condens\$5 OR cool\$3) AND (incubat\$3 OR isothermal OR (maintain\$5 WITH temperature) OR insula\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:49
S71	38	S69 AND (evaporat\$4 OR volat\$5 OR heat\$3) SAME (condens\$5 OR cool\$3) SAME (incubat\$3 OR isothermal OR (maintain\$5 WITH temperature) OR insula\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 03:53
S72	139	(sublimation (vessel OR container OR device OR system OR channel OR tube OR chamber)) AND (evaporat\$4 OR volat\$5 OR heat\$3) SAME (condens\$5 OR cool\$3) SAME (incubat\$3 OR isothermal OR (maintain\$5 WITH temperature) OR insula\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 04:01
S73	55	S72 AND @ad<="20030828"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 04:02

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